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12/19/23 • BIG PHARMA › NEWS

Prepping for 'Disease X': Gates-Backed Group Funds Needle-Free mRNA Vaccine 'Wafer' Technology

With funding from the Bill & Melinda Gates Foundation, the Coalition for Epidemic Preparedness Innovations is investing $1.2 million in a startup to create under-the-tongue vaccine wafers that can be stored at any temperature. Critics question the reliability of the technology and the safety of the mRNA platform.

By **Brenda Baletti, Ph.D.**

35

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The Coalition for Epidemic Preparedness Innovations (CEPI) is partnering with Jurata Thin Film Inc. to develop a wafer-like mRNA film that can be stored at room temperature and taken under the tongue for needle-free vaccine delivery.

The partnership will begin with a $1.2 million investment to help Jurata develop its proprietary vaccine platform, which the company says stabilizes mRNA-containing lipid nanoparticle vaccine technologies in a thin film.

Jurata claims the film is designed to be "thermostable," produced and stored at room temperature and remain stable for three years, eliminating the need for energy-intensive cold storage required by current mRNA vaccines.

The film can be placed inside the cheek or under the tongue to deliver the vaccine. It can also be rehydrated with an aqueous solution and taken nasally or through other means that don't require passage through the digestive tract.

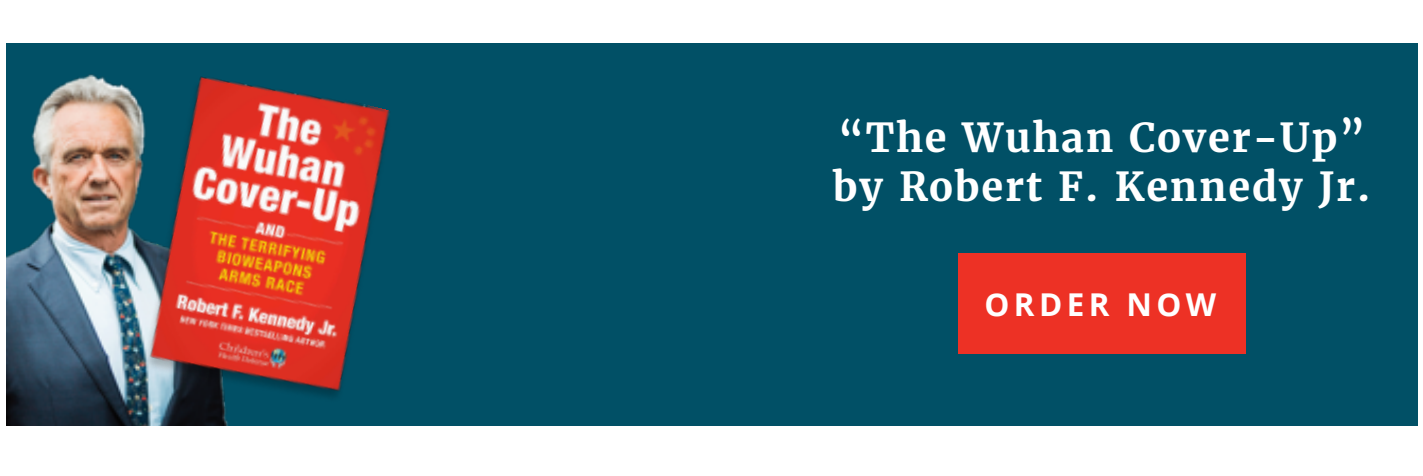
Jurata and CEPI tout the technology as key to getting vaccines to poor people across the world. "If shown to be successful," CEPI said in its press release, the technology will "help expand access to mRNA vaccines in underserved regions and advance the global response to future emerging infectious disease outbreaks."

However, scientists who spoke to The Defender said that "success" seemed unlikely anytime soon. They also said the technology could pose problems even beyond the serious known risks with existing mRNA transfection technology.

Brian Hooker, Ph.D., senior director of science and research at Children's Health Defense (CHD), said:

> "Vaccines require cold storage (mostly refrigeration) and mRNA vaccines are especially susceptible to heat damage during shipping and storage. A thermostable platform completely eliminates the need for refrigeration and would be a huge breakthrough in getting rid of 'cold chain requirements' in delivering vaccines to the developing world and would also constitute a big cost savings in deployment overall.
>
> "But outside of the other obvious issues with mRNA vaccines, I would be worried that the mRNA wouldn't be as thermostable as purported and this would induce sequence mutations and other damage to the genetic code."

Jurata is a small biotech firm developing the films for vaccine delivery and other therapeutics. Its founders also founded Bamboo Therapeutics, a gene therapy biotech company acquired in 2016 by Pfizer in a deal valued at $827 million.



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Thermostable, needle-free vaccines are a 'red herring'

Jurata is the fifth partner announced as part of CEPI's January 2022 call for proposals for thermostable vaccine manufacturing innovations. The company said more announcements are on the horizon.

Recently, organizations including the World Health Organization (WHO), Gavi, the Vaccine Alliance and the Bill & Melinda Gates Foundation, among others, have touted the potential benefits of non-needle vaccine delivery technologies including microarray patches, pens and now microfilms as "groundbreaking," "game changers" and "the future of vaccination."

They claim these technologies have the potential to make vaccines accessible to remote areas, particularly in the Global South, where infrastructure for the cold storage necessary for vaccines is lacking, especially for mRNA vaccines which require ultra-cold temperatures of -20 degrees Celsius to -80 C.

They also say these technologies can "help promote vaccine uptake in areas of vaccine hesitancy" and reduce the need for providers by making it possible for people to self-administer vaccines.

Under the terms of the agreement with CEPI, Jurata committed to ensuring vaccine supply for the Global South by producing a volume of vaccines "required to meet public health needs," setting affordable prices for Global South countries and potentially transferring the technology to Global South manufacturers.

Thermostable needle-free technologies are being widely promoted even though few clinical trials on any of these technologies have been completed and no such vaccine has yet been approved by regulators.

CHD Staff Scientist J. Jay Couey, Ph.D., told The Defender he thought the hype around such technologies is a "red herring" meant to make the public think any problems with these vaccines are technical questions of storage or delivery method — rather than the much more serious threat posed by mRNA transfection technologies themselves.

Despite all the boosterism around new vaccine delivery methods, the first-ever clinical trial of vaccine patches in children for the measles-rubella vaccine tested in Gambia was only shared in May by Micron Biomedical during the Microneedles 2023 conference in Seattle.

The Phase 1/2 trial delivered "promising" results, although to date the trial results have not been published in a peer-reviewed publication.

Despite the limited research, the Gates Foundation in November gave Micron Biomedical $23.6 million to fund the first mass production of needle-free vaccine technology. The Centers for Disease Control and Prevention also partnered with Micron.

CEPI says it hopes to use its funding to drive the development of such vaccines.

"We're really looking to see a step change in the way that some of these vaccines can be stored and delivered," said Ingrid Kromann, CEPI's acting director of Vaccine Manufacturing and Supply Chain in a press release on the funding opportunity.

Of the $17.5 million CEPI is dedicating to thermostable vaccine development, it has already awarded $2 million to Tiba Biotech for its RNA nanoparticle delivery platform and $4.3 million to Vaxxas for pre-clinical trials on a microarray patch, $3.6 million to Gennova Biopharmaceuticals for a self-amplifying mRNA platform and $1.6 million to AvaxziPen — a needle-free platform to deliver solid-dose vaccine formulations via a pen applicator.

In the case of Jurata's microfilm, the CEPI funding will support pre-clinical trials.

Given that mRNA technology became "one of the technological 'shining stars' during the COVID-19 pandemic," Kromman said, thermostable vaccines with easy delivery like Jurata's will be key to "advancing CEPI's pandemic preparedness plan to accelerate the speed and scale of our response to future epidemics and pandemics, and heighten access to vaccine doses."

RFK Jr. and Brian Hooker's *New* Book: "Vax-Unvax"

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'Yet another controligarch-backed initiative'

CEPI describes itself as "an innovative global partnership between public, private, philanthropic and civil society organisations" launched at the World Economic Forum (WEF) in Davos in 2017, "to shorten the response time to epidemics by creating vaccines that could be released quickly once an outbreak occurs."

The Gates Foundation co-founded CEPI with a $460 million investment. The Wellcome Trust and the WEF also are funders. CEPI CEO, Dr. Richard J. Hatchett, previously was acting director of the U.S. Biomedical Advanced Research and Development Authority.

Explaining why he founded CEPI, Bill Gates said:

> "Unfortunately, even though there is substantial risk for epidemics, there is not a natural market for vaccines. You have to get governments to create the right incentive structure. If you can predict what the pathogens are going to be and can get vaccines stockpiled, then that would be a very good response."

Gates Foundation employees hold both voting and non-voting positions on CEPI's board, as do WHO employees.

"CEPI is yet another 'Controligarch'-backed initiative that seeks to undermine national sovereignty and individual autonomy under the guise of philanthropy and saving lives," Seamus Bruner, author of "Controligarchs: Exposing the Billionaire Class, their Secret Deals, and the Globalist Plot to Dominate Your Life," told The Defender.

"They do this by leveraging crises — real and manufactured — to transfer decision making away from elected representatives to so-called experts and supranational organizations like the World Health Organization which are funded and controlled by an unelected — and therefore unaccountable — elite," Bruner said.

The current funding is part of CEPI's $3.5 billion pandemic preparedness plan, launched in March 2021 to develop technologies to ramp up the speed and scale of vaccine development for emerging pandemics so vaccine development times can be compressed to 100 days.

Vaccines have historically taken 10-15 years to develop. The mRNA COVID-19 vaccines were developed under Operation Warp Speed in less than a year.

The number of adverse events reported in the Vaccine Adverse Event Reporting System (VAERS) from the COVID-19 vaccines alone has been unprecedented in vaccine history, with 1,872,034 events reported as of Nov. 24.

Researchers from Correlation Research in the Public Interest estimate the vaccines are causally linked to approximately 17 million deaths worldwide.

CEPI's mission under its preparedness plan is to fund the development of "rapid response platforms to develop vaccines against 'Disease X'" — the WHO's placeholder name for a disease that is currently unknown or not in existence, but that has the potential to be devastating for humanity.

The specter of Disease X was part of the rationale for the World Health Assembly to increase the WHO's budget by 20% in June.

CEPI argues "the faster an effective vaccine is developed and deployed, the faster a potential pandemic threat can be contained and controlled if it is used."

"The endless regimen of drugs and gene therapies that CEPI is working on — delivered via injections and other mechanisms — may end up being voluntary. But if Controligarchs like CEPI's primary individual benefactor Bill Gates have their way, they will be mandatory," Bruner said.

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Brenda Baletti, Ph.D.

Brenda Baletti Ph.D. is a reporter for The Defender. She wrote and taught about capitalism and politics for 10 years in the writing program at Duke University. She holds a Ph.D. in human geography from the University of North Carolina at Chapel Hill and a master's from the University of Texas at Austin.

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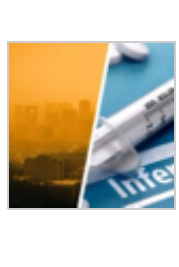
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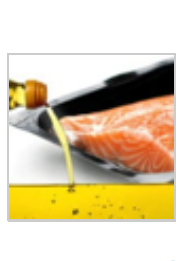
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Bonnie Gillmore
24 days ago
We don't want your damn vaccines in any form.
Gates & and Pfizer leave our immune systems alone!
36 0 Reply • Share ›

Truth is a 3-Edged Sword → Bonnie Gillmore
24 days ago
Childhood vaccines are now acting like the Covid mRNA vaccine, wasnt that long ago a perfectly healthy 15 month old child died of massive heart attack and stroke, this right after the baby got their scheduled vaccinations.
12 0 Reply • Share ›

brbg → Truth is a 3-Edged Sword
23 days ago
Sudden infant deaths can also be connected to the baby getting so many immunizations.
7 0 Reply • Share ›

Ricky Ricardo
24 days ago edited
Billy boy has so many evil endeavors going on simultaneously, it's dizzying! Humanity will be lucky if it makes it through next year.
"Preparedness Innovations is investing $1.2 million in a startup to create under-the-tongue vaccine wafers that can be stored at any temperature". I have a little "wafer" I'd like to give billy boy; not under the tongue, but up his a$$! This DEMON isn't even worthy to breathe the same air as the rest of us. He is the poorest excuse for a human being I've ever seen!
24 0 Reply • Share ›

melinda gladstone → Ricky Ricardo
19 days ago edited
Why doesn't ANYONE ask Gates about SADS and how it seems to ELUDE HIS family!!!
3 0 Reply • Share ›

Peter van der Stam → Ricky Ricardo
24 days ago
But at least, he is getting a lot of money out of his poor mans donation.
2 0 Reply • Share ›

M Aurelius
24 days ago edited
"Poor people" aren't being murdered fast enough by the jab so we put it in an edible to poison them without the needle."
If you aren't armed against these satanic murderers by now, you are beyond hope. These globalist mass murderers won't stop until they are stopped.
They want you dead or enslaved.
Wake up.
13 0 Reply • Share ›

I'M SO DONE!!!
24 days ago
The pharma cabal is going to poison you one way or the other. They have already tainted the food supply via livestock "vaccinations". Tainted meat, tainted milk, and the University of Riverside is studying how to infuse mRNA in lettuce and spinach.
16 0 Reply • Share ›

Shana Morell Stadler
24 days ago
It is just another way to get money and a dangerous way, in my opinion. I don't doubt after what happened in 2020 that anything can happen! But there have been more injuries than were reported because no one wanted to fool with the pages of complex paperwork, when it was considered a felony, if something was entered incorrectly. That alone, blocked many physicians from helping patients report injuries, etc.
11 0 Reply • Share ›

Paul Hastilow
24 days ago
Yet again "Gangster Gates" is spending money, using mRNA technology, that is Not safe and does untold harm to the Recipients, immune system, All under the Guise of "Helping Poorer Communities" (Africa).
He is Fanatical, and even Giving himself the Title of Dr Gates.....? to coerce African Nations and Corrupted governments (of which there are Many!!).
Change Tack Bill.... Ply your trade in Islamic Muslim Countries...! See how you get on...?
Spending money on 's/posed "Philanthropic Causes" but infact your Families History of Eugenics to Depopulate the World, is ideal for the Muslim Fraternity,who breed like flies. And are set to take over your New World Order.
Ask your Chief Mufti Abdul Klaus Schwab.....! He'll Advise you...!
9 0 Reply • Share ›

Peter van der Stam → Paul Hastilow
24 days ago
As far as I can remember: he hates colored people and wants to get rid of many if not all.
1 0 Reply • Share ›

brbg → Peter van der Stam
23 days ago
He has the money to get clean water and sanitation to every poor country in the world. So what does he do? He sends them vaccines that have been banned in advanced countries and pushes them on Africans. He is a eugenicist first and foremost.
4 0 Reply • Share ›

richard
24 days ago
Have you ever noticed how viruses are always attracted to Bill Gates' products?
7 0 Reply • Share ›

B King
23 days ago
My Senator will not respond to any of my questions on this subject. The National Science Foundation and Carnegie Mellon University are trying to figure out how to put this crap in plants. This is taxpayer dollars being used for illegal gain of function. If they get prions in the food supply they would be nearly impossible to destroy. Prions are genetic landmines that cause diseases like mad cow. I repeat gain of function is illegal!!! How is this being allowed?
6 0 Reply • Share ›

MultiChubby1 → B King
23 days ago
Greed and lust have allowed it.
2 0 Reply • Share ›

Alison
24 days ago
They are looking for ways to put it in food.
6 0 Reply • Share ›

boxerdoglover
24 days ago
The majority of people are not going to go along with this.
6 0 Reply • Share ›

Peter van der Stam → boxerdoglover
24 days ago
You will be surprised how many are adequately brainwashed and accept all the BS.
6 0 Reply • Share ›

brbg → Peter van der Stam
23 days ago
Yes, it's the same lemmings who totally bought into the climate crisis hoax.
4 0 Reply • Share ›

FirstFiddler
23 days ago
He'll be surprised to find out that, now that people are suspicious and don't want the jab anymore, they don't want the wafer either.
5 0 Reply • Share ›

Ektor
23 days ago
Well lookie here...gates is disease X.
5 0 Reply • Share ›

One Day Closer
24 days ago
I'm not taking this one, either.
5 0 Reply • Share ›

Catherine H
23 days ago
I just watched a commercial for a RSV vaccine that is given to pregnant women at 32-36 weeks gestation "to protect baby from rsv" more like "we can't wait for baby to be born to poison them"...we now can do it envitro. DIABOLICAL
3 0 Reply • Share ›

MultiChubby1 → Catherine H
23 days ago
Well, at least they finally admitted that the 'products of pregnancy' are actually human beings. If you're rich enough, you can have it both ways
0 0 Reply • Share ›

QuentonQuale
23 days ago
Making poison easier to take. How convenient.
2 0 Reply • Share ›

Voyt Regnal
24 days ago
What a humongous garbage 😀.
What would be the possible mechanism to transfect the person (in case of mRNA crap).
2 0 Reply • Share ›

UnionMember
24 days ago
This is such bullspit.... If you could ingest the vaccine, why not just have a liquid or gel. This is sci-fi invented hype.
But I'll be glad to take this and spit it out instead of a freaking NEEDLE IN MY BODY.
2 0 Reply • Share ›

bcainw
19 days ago
In my version of the Garden of Eden one should always be encouraged to eat from the tree of knowledge but should never meddle with the tree of life as that is above the pay grade of ANY human: past, present or future. Think of the sorcerers apprentice and all the unanticipated problems his meddling created. Those of us that understand the complexity of the global ecosystem tend to abide by the precautionary principle. The globalists have the audacity to think they can meddle with the Tree of Life with no consequence. They they seem to abide by the "Let's just do shit and see what happens" principle. I can't seem to find an antonym for the Precautionary Principle.

Our global corporations have obviously ignored this warning as GMO farming began/expanded in the early 1990's. Using CRISPR and other cutting edge technologies they have meddled with the tree of life: terminator seeds, plants that produce insecticides (which we eat), spraying plants with Glyphosate etc. Already it is clear these technologies are causing harm to human health. Then we have fluoride in the water supply, endocrine disruptors, PFAS chemicals, etc., in food and water. None of this makes sense and represents a willful refusal to consider what our collective knowledge (e.g., the tree of knowledge) should be telling us about the harm these substances unleash on the human population. But is goes on unabated because global corporations can profit in the short run.
see more
1 0 Reply • Share ›

chris
21 days ago edited
given that Gates & Co. are so deeply involved with the worst nightmare criminals, like Epstein:
https://mejbcart.substack.c...
a question is, again, WHEN ANY judicial power will do anything about it???
An amazing video was posted just yesterday about it all:
https://forbiddenknowledget...
1 0 Reply • Share ›

brbg
23 days ago
Anything Bill Gates, the WEF etc is involved in is guaranteed to not be for the benefit of the public. It will be for complete control of the public and for depopulation.
1 0 Reply • Share ›

Widetracker
19 days ago
Malachi 4:1 For, behold, the Day cometh, that shall burn like an oven; and all the proud, yea, and all that do wickedly, shall be stubble: and the day that cometh shall burn them up, saith the "I AM" Lord of hosts, that it shall leave of them neither root nor branch (nothing).
https://christs.net
0 0 Reply • Share ›

jupiteralliance
19 days ago edited
I don't care how they 'wrap' this bioweapon' I still don't want it. So is doing it as a wafer supposed to carry the subliminal message that it's just like a 'communion wafer' I wouldn't put it past them.
0 0 Reply • Share ›

Ricky Ricardo
19 days ago
"the Coalition for Epidemic Preparedness Innovations". Has anyone else noticed the countless groups, foundations, businesses, etc., that have been popping up since 2020? The Great Reset will soon be complete!
0 0 Reply • Share ›

Karen Thomas
23 days ago edited
Would sure like to know how many "CLOT SHOTS" Bill Gates has gotten, for real, not any sterile saline, the actual mRNA......I am sure he will never tell.
0 0 Reply • Share ›

Gary Brown
23 days ago
November 15, 2023 Next Pandemic Propaganda: The "Big One," Nipah, Ebola and Marburg, SARS1, Machupo, "Vampire Virus", Disease X

11 Articles reviewed as CDC expands surveillance of International Travelers. GAVI advocates the development of country-level mechanisms that would facilitate discussions between scientists, decision-makers, and the general public.

https://www.globalresearch....
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